Model F-695

Steam Sterilizable and Autoclavable
FermProbe® pH Sensor with K9 Connector

Sensor Description

The Model F-695 FermProbe® pH sensor is steam sterilizable and autoclavable for use in bioprocess applications. The sensor can be used as follows:

- Steam sterilized in-situ in steel bioreactors and fermentation tanks with 25 mm entry ports.
- Autoclaved with bellows assemblies for aseptic insertion into single-use bioprocess containers (BPCs).
- Autoclaved with benchtop vessels. Sensor lengths available for vessel sizes from 1 liter to 20 liters.

Design features include:

- Low impedance HT3 glass bulb with low sodium ion error.
- USP grade cellulosic thickener used for reference gel.



F-695 FermProbe® pH Sensor
with K9 Connector, PG 13.5 Threaded Cap
(Shown here with 12 mm OD x 120 mm Length)

Model	F-695
Short Description	FermProbe® pH Sensor with PG 13.5 threaded cap and K9 Connector
Part Number	See table below for most common part numbers and lengths. Contact sales for additional length options.

Sensor Specifications

Measurement Range	0–14 pH
Operational Temp. Range	-5°–135° C [23°–275° F]
Operational Pressure Range	0-7750 mmHg [0-150 psig]
Storage Temperature	5°–50° C [41°–122° F]
Shelf Life	12 months
Sensor Connector	K9, Coaxially Shielded
Sensor Connector Cable	AX-1000-KP-XXXX series

Wetted Materials

O-ring	FDA Compliant Silicone
pH Glass Electrode	Lead-free Glass
Ceramic Junction	Alumina Silicate

Model F-695 Sensor Lengths

Part Number	Insertion Length ± (3 mm)	RTD	Conn
F-695-B120-DK	120 mm	N/A	K9
F-695-B225-DK	225 mm	N/A	K9
F-695-B325-DK	325 mm	N/A	K9
F-695-B420-DK	420 mm	N/A	K9

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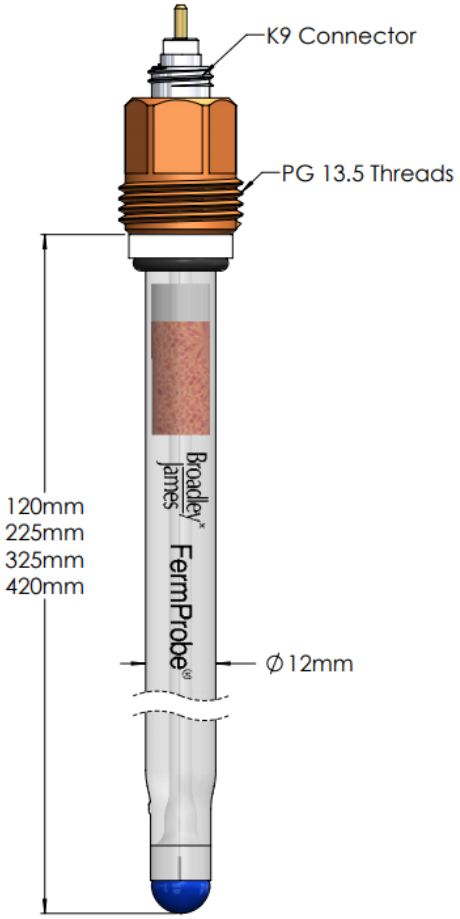
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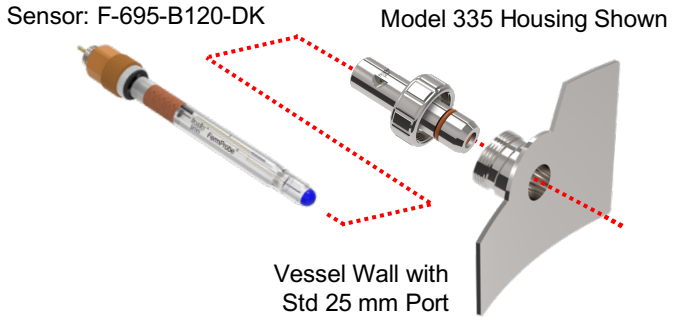
Steam Sterilizable and Autoclavable FermProbe® pH Sensor with K9 Connector

Model F-695 Sensor Dimensions

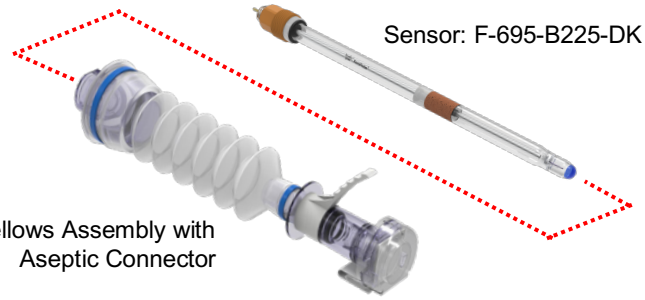


Length	Typical Application
120 mm	Side port insertion into stainless steel bioreactors and fermentation tanks
225 mm	Inserted into BPC by means of bellows insertion assembly.
	Length Suitable for 1 to 5 Liter benchtop vessels
325 mm	Length suitable for 7 and 15 liter benchtop vessels
420 mm	Length suitable for 20 liter benchtop vessels

Steam Sterilized In-Situ in Steel Bioreactors and Fermentation Tanks with 25 mm Entry Ports



Autoclaved with Bellows Assemblies for Aseptic Insertion into Single-Use Bioprocess Containers (BPCs)



Autoclaved with Benchtop Vessels. Sensor Lengths Available for Vessel Sizes from 1 Liter to 20 Liters



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